

SEQUENCE LISTING

<110> Timans, Jacqueline C.

<120> Nucleic acids encoding mammalian interleukin-1zeta, related reagents and methods

<130> DX0904K

<140> US 09/398,412

<141> 1999-09-17

<150> US 60/100948

<151> 1998-09-18

<160> 15

<170> PatentIn version 3.1

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Ser Glu Asp Trp Glu Lys Asp Glu Pro Gln Cys Cys Leu Glu Asp Pro
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Ala Gly Ser Pro Leu Glu Pro Gly Pro Ser Leu Pro Thr Met Asn Phe
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Leu Ala Ser Ser Leu Ser Ser Ala Ser Ala Glu Lys Gly Ser Leu Ile	95	100	105	
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Lys Leu Ala Ala Gln Lys Glu Ser Ala Arg Arg Pro Phe Ile Phe Tyr	145	150	155	
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35 40 45

Ser Arg Lys Val Lys Ser Leu Asn Pro Lys Lys Phe Ser Ile His Asp
50 55 60

Gln Asp His Lys Val Leu Val Leu Asp Ser Gly Asn Leu Ile Ala Val
65 70 75 80

Pro Asp Lys Asn Tyr Ile Arg Pro Glu Ile Phe Phe Ala Leu Ala Ser
85 90 95

Ser Leu Ser Ser Ala Ser Ala Glu Lys Gly Ser Leu Ile Leu Leu Gly
100 105 110

Val Ser Lys Gly Glu Phe Cys Leu Tyr Cys Asp Lys Asp Lys Gly Gln
115 120 125

Ser His Pro Ser Leu Gln Leu Lys Lys Glu Lys Leu Met Lys Leu Ala
130 135 140

Ala Gln Lys Glu Ser Ala Arg Arg Pro Phe Ile Phe Tyr Arg Ala Gln
145 150 155 160

Val Gly Ser Arg Asn Met Leu Glu Ser Ala Ala His Pro Gly Trp Phe
165 170 175

Ile Cys Thr Ser Cys Asn Cys Asn Glu Pro Val Gly Val Thr Asp Lys
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Val Ser Lys Gly Glu Phe Cys Leu Tyr Cys Asp Lys Asp Lys Gly Gln	
115 120 125	
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35 40 45

Ser Pro Lys Val Lys Asn Leu Asn Pro Lys Lys Phe Ser Ile His Asp
50 55 60

Gln Asp His Lys Val Leu Val Leu Asp Ser Gly Asn Leu Ile Ala Val
65 70 75 80

Pro Asp Lys Asn Tyr Ile Arg Pro Glu Ile Phe Phe Ala Leu Ala Ser
85 90 95

Ser Leu Ser Ser Ala Ser Ala Glu Lys Gly Ser Pro Ile Leu Leu Gly
100 105 110

Val Ser Lys Gly Glu Phe Cys Leu Tyr Cys Asp Lys Asp Lys Gly Gln
115 120 125

Ser His Pro Ser Leu Gln Leu Lys Lys Glu Lys Leu Met Lys Leu Ala
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Ala Gln Lys Glu Ser Ala Arg Arg Pro Phe Ile Phe Tyr Arg Ala Gln
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Val Gly Ser Trp Asn Met Leu Glu Ser Ala Ala His Pro Gly Trp Phe
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Ile Cys Thr Ser Cys Asn Cys Asn Glu Pro Val Gly Val Thr Asp Lys
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Ile Arg Ala Asn Asp Gln Tyr Leu Thr Ala Ala Ala Leu His Asn Leu
35 40 45

Asp Glu Ala Val Lys Phe Asp Met Gly Ala Tyr Lys Ser Ser Lys Asp
50 55 60

Asp Ala Lys Ile Thr Val Ile Leu Arg Ile Ser Lys Thr Gln Leu Tyr
65 70 75 80

Val Thr Ala Gln Asp Glu Asp Gln Pro Val Leu Leu Lys Glu Met Pro
85 90 95

Glu Ile Pro Lys Thr Ile Thr Gly Ser Glu Thr Asn Leu Leu Phe Phe
100 105 110

Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val Ala His Pro
115 120 125

Asn Leu Phe Ile Ala Thr Lys Gln Asp Tyr Trp Val Cys Leu Ala Gly
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Gly Pro Pro Ser Ile Thr Asp Phe Gln Ile Leu Glu Asn Gln Ala
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Leu Gln Gln Glu Val Lys Phe Asp Met Tyr Ala Tyr Ser Ser Gly Gly
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65 70 75 80

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85 90 95

Pro Glu Thr Pro Lys Leu Ile Thr Gly Ser Glu Thr Asp Leu Ile Phe
100 105 110

Phe Trp Lys Ser Ile Asn Ser Lys Asn Tyr Phe Thr Ser Ala Ala Tyr
115 120 125

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Arg Gly Leu Pro Ser Met Thr Asp Phe Gln Ile Ser
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Asp Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe
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Ile Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr
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Ile Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys
65 70 75 80

Ile Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr
85 90 95

Lys Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn
100 105 110

Lys Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys
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35 40 45

Ile Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu
50 55 60

Ser Val Lys Asp Ser Lys Met Ser Thr Leu Ser Cys Lys Asn Lys Ile
65 70 75 80

Ile Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln
85 90 95

Ser Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met
100 105 110

Glu Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys
115 120 125

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 35 40 45

Gln Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu Lys
 50 55 60

Glu Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp Lys Pro Thr
 65 70 75 80

Leu Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys Lys Lys Met
 85 90 95

Glu Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn Lys Leu Glu
 100 105 110

Phe Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr Ser Gln Ala
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35 40 45

Gln Gly Glu Pro Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu Lys
50 55 60

Gly Lys Asn Leu Tyr Leu Ser Cys Val Met Lys Asp Gly Thr Pro Thr
65 70 75 80

Leu Gln Leu Glu Ser Val Asp Pro Lys Gln Tyr Pro Lys Lys Lys Met
85 90 95

Glu Lys Arg Phe Val Phe Asn Lys Ile Glu Val Lys Ser Lys Val Glu
100 105 110

Phe Glu Ser Ala Glu Phe Pro Asn Trp Tyr Ile Ser Thr Ser Gln Ala
115 120 125

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Ala Gly Tyr Leu Gln Gly Pro Asn Val Asn Leu Glu Glu Lys Ile Asp
35 40 45

Val Val Pro Ile Glu Pro His Ala Leu Phe Leu Gly Ile His Gly Gly
50 55 60

Lys Leu Cys Leu Ser Cys Val Lys Ser Gly Asp Glu Thr Arg Leu Gln
65 70 75 80

Leu Glu Ala Val Asn Ile Thr Asp Leu Ser Glu Asn Arg Lys Gln Asp
85 90 95

Lys Arg Phe Ala Phe Ile Arg Ser Asp Ser Gly Pro Thr Thr Ser Phe
100 105 110

Glu Ser Ala Ala Cys Pro Gly Trp Phe Leu Cys Thr Ala Met Glu Ala
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Thr Lys Phe Tyr Phe Gln Glu Asp Glu
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Ala Gly Tyr Leu Gln Gly Pro Asn Ile Lys Leu Glu Glu Lys Ile Asp
35 40 45

Met Val Pro Ile Asp Leu His Ser Val Phe Leu Gly Ile Lys Gly Tyr
50 55 60

Lys Leu Tyr Met Ser Cys Val Lys Ser Gly Asp Asp Ile Lys Leu Gln
65 70 75 80

Leu Glu Glu Val Asn Ile Thr Asp Leu Ser Lys Asn Lys Glu Glu Asp
85 90 95

Lys Arg Phe Thr Phe Ile Arg Ser Glu Lys Gly Pro Thr Thr Ser Phe
100 105 110

Glu Ser Ala Ala Cys Pro Gly Trp Phe Leu Cys Thr Thr Leu Glu Ala
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35 40 45

Arg Ala Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly
50 55 60

Gly Ser Gln Cys Leu Ser Cys Gly Thr Glu Lys Gly Pro Ile Leu Lys
65 70 75 80

Leu Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser
85 90 95

Lys Ser Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser Phe
100 105 110

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35 40 45

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50 55 60

Thr Tyr Met Gly Val Gln Arg Pro Met Ser Cys Leu Phe Cys Thr Lys
65 70 75 80

Asp Gly Glu Gln Pro Val Leu Gln Leu Gly Glu Gly Asn Ile Met Glu
85 90 95

Met Tyr Asn Lys Lys Glu Pro Val Lys Ala Ser Leu Phe Tyr His Lys
100 105 110

Lys Ser Gly Thr Thr Ser Thr Phe Glu Ser Ala Ala Phe Pro Gly Trp
115 120 125

Phe Ile Ala Val Cys Ser Lys Gly Ser Cys Pro Leu Ile Leu Thr Gln
130 135 140

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35 40 45

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85 90 95

Leu Gln Leu Lys Glu Gln Lys Ile Met Asp Leu Tyr Gly Gln Pro Glu
100 105 110

Pro Val Lys Pro Phe Leu Phe Tyr Arg Ala Lys Thr Gly Arg Thr Ser
115 120 125

Thr Leu Glu Ser Val Ala Phe Pro Asp Trp Phe Ile Ala Ser Ser Lys
130 135 140

Arg Asp Gln Pro Ile Ile Leu Thr Ser Glu Leu Gly Lys Ser Tyr Asn
145 150 155 160

Thr Ala Phe Glu Leu Asn Ile Asn Asp
165